

GAF CHEMICALS CORP.: GANEX Alkylated Polyvinylpyrrolidone:

Typical Properties of GANEX Resins:

GANEX V-216 Polymer:

CTFA Designation: PVP/Hexadecene Copolymer
Physical Form: liquid
% Activity: 100
Appearance @ 25C: pale yellow viscous fluid
% Nitrogen: 2.0-3.0
HLB requirement: 10
Solubilities:
Kerosene: S
Mineral Oil: S
Castor Oil: S (5%)
Ethanol: PS
n-propanol: I
Water: I

GANEX V-220 Polymer:

CTFA Designation: PVP/Eicosene Copolymer
Physical Form: solid
% Activity: 100
Appearance @ 25C: off white waxy solid
Solidification Point: 35-40C
% Nitrogen: 2.9-3.6
HLB requirement: 8
Solubilities:
Kerosene: S
Mineral Oil: S
Castor Oil: I
Ethanol: I
n-propanol: I
Water: I

S = Soluble to 20% GANEX, except at noted
PS = Partially Soluble
I = Insoluble

Benefits and Applications:

GANEX V-216 and GANEX V-220 resins have been used to impart four primary benefits to skin care and cosmetic products:

Water and wear resistance
Pigment dispersion
Rich feel
Improved stick integrity

The additional benefits of low toxicity, non-comedogenicity and broad compatibility further support their use in these applications.

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PRODUCT SPECIFICATIONS

BPA-5I5

Description: Polymethylmethacrylate (And) Isopropyl Titanium Triisostearate

Test Name	Specification	Test Methods
Appearance	Off White Powder, No Grit	Visual
Odor	Waxy	Organoleptic
Loss on Drying, %	Min : 0 - Max : 1	15 min at 80 C
Microbiology	Less Than 100 Organisms Per Gram With No Pathogens	Current USP Microbial Limit Test
Particle Size Range, μm	Min : 2 - Max : 16	Light Scattering Sizer
Arsenic, ppm	Min : 0 - Max : 3	CTFA Method F 1-1, Silver Diethyldithiocarbamate
Lead, ppm	Min : 0 - Max : 10	Weak Acid Extraction AA Method
Oil Absorption, g. / 100g. Linseed Oil	Min : 40 - Max : 60	ASTM Method D281-84
Apparent Density, gm/cbi	Min : 3 - Max : 4.5	CTFA Method C8-2, Scott Volumeter

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If you have any questions about the information contained within this document, please contact Shirley Wang, ext 6114.

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